

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2093	382/233,235,251,275.ccls.	USPAT	OR	OFF	2006/11/27 15:53
L2	19	382/233,235,251,275.ccls. and (quantiz\$ and (inverse decod\$) and noise).clm.	USPAT	OR	OFF	2006/11/27 15:57
L3	25	382/233,235,251,275.ccls. and (quantiz\$ and (inverse decod\$) and noise).clm.	US-PGPUB; USPAT	OR	OFF	2006/11/27 15:57
L4	6	I3 not I2	US-PGPUB; USPAT	OR	OFF	2006/11/27 15:58
S1	1849	382/233,235,238,239,251.ccls.	USPAT	OR	OFF	2005/04/08 16:43
S2	11	382/233,235,238,239,251.ccls. and quantiz\$8 with \$nois\$ and inverse with wavelet\$ and reconstruct\$5	USPAT	OR	OFF	2005/04/07 16:31
S3	2	382/233,235,238,239,251.ccls. and quantiz\$8 with \$nois\$ same inverse with wavelet\$	USPAT	OR	OFF	2005/04/07 16:33
S4	12	382/233,235,238,239,251.ccls. and quantiz\$8 with \$nois\$ and inverse with wavelet\$ and (reconstruct\$ decod\$)	USPAT	OR	OFF	2005/04/07 17:37
S5	1	S4 not S2	USPAT	OR	OFF	2005/04/07 16:34
S6	9	("4656514"   "4901075"   "5491685"   "5600373"   "5621466"   "5729631"   "5787203"   "5818964"   "5841969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/07 17:06
S7	25	("6141446").URPN.	USPAT	OR	OFF	2005/04/07 17:06
S8	319	382/233,235,238,239,251.ccls. and wavelet\$	USPAT	OR	OFF	2005/04/07 17:37
S9	91	382/233,235,238,239,251.ccls. and wavelet\$ same (inverse reverse)	USPAT	OR	OFF	2005/04/07 17:58
S10	17	382/233,235,238,239,251.ccls. and wavelet\$ same (inverse reverse) and (noise same quantiz\$)	USPAT	OR	OFF	2005/04/07 18:00
S11	7	S10 not S4	USPAT	OR	OFF	2005/04/07 17:38
S12	100	382/233,235,238,239,251,275.ccls. and wavelet\$ same (inverse reverse)	USPAT	OR	OFF	2005/04/07 18:00

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S13	19	382/233,235,238,239,251,275. ccls. and wavelet\$ same (inverse reverse) and (noise same quantiz\$)	USPAT	OR	OFF	2005/04/07 18:00
S14	2	S13 not S10	USPAT	OR	OFF	2005/04/07 18:00
S15	0	("6823090").URPN.	USPAT	OR	OFF	2005/04/07 18:03
S16	5	("5619998"   "5790694"   "5870502"   "5953439"   "6498863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/07 18:03
S17	5	("5619998"   "5790694"   "5870502"   "5953439"   "6498863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/07 18:28
S18	0	("6823090").URPN.	USPAT	OR	OFF	2005/04/07 18:28
S19	25	("5619998").URPN.	USPAT	OR	OFF	2005/04/07 18:44
S20	1892	matsuura.in.	USPAT	OR	OFF	2005/04/07 18:44
S21	0	"tomohiko matsuura".in.	USPAT	OR	OFF	2005/04/07 18:45
S22	8	(tomohiko and matsuura).in.	USPAT	OR	OFF	2005/04/08 11:28
S23	39	382/???ccls. and (quantiz\$6 with noise)and (inverse same wavelet)	USPAT	OR	OFF	2005/04/08 12:45
S24	44	382/???ccls. and (quantiz\$6 with noise)and ((reverse inverse) same wavelet)	USPAT	OR	OFF	2005/04/08 12:45
S25	22	("4005411"   "4152772"   "4839721"   "4868764"   "5067015"   "5109451"   "5162898"   "5297170"   "5309232"   "5321776"   "5371544"   "5377041"   "5412741"   "5509089"   "5537493"   "5576548"   "5589994"   "5661822"   "5668646"   "5673191"   "5675701"   "5727529").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/08 12:50

# EAST Search History

S26	153	("20010021223"   "20010047517"   "20030110299"   "3580655"   "3950103"   "4136954"   "4155097"   "4190861"   "4223354"   "4393456"   "4437087"   "4569075"   "4599567"   "4652881"   "4663660"   "4674125"   "4701006"   "4751742"   "4760563"   "4785348"   "4785349"   "4799179"   "4805129"   "4815023"   "4817182"   "4821223"   "4827336"   "4829378"   "4837517"   "4839889"   "4858017"   "4864398"   "4868868"   "4881075"   "4894713"   "4897717"   "4899147"   "4904073"   "4905297"   "4918524"   "4922544"   "4929223"   "4929946"   "4936665"   "4973961"   "4974187"   "4982283"   "4985927"   "4987480"   "4999705"   "5000183"   "5001764"   "5014134"   "5018210"   "5049992"   "5049993"   "5068911"   "5072308"   "5073964"   "5081645"   "5095447"   "5097261"   "5097331"   "5101280"   "5101446"   "5103306"   "5109451"   "5121191"   "5124930"   "5128757"   "5128791"   "5148498"   "5152953"   "5156943"   "5173880"   "5182645"   "5223926"   "5235434"   "5241395"   "5262958"   "5276525"   "5315670"   "5321776"   "5335016"   "5347479"   "5349348"   "5379355"   "5381145"   "5384869"   "5412741"   "5414738"   "5414780"   "5416604"   "5420891"   "5442458"   "5453945"   "5455874"   "5481308"   "5495292"   "5497435"   "5511151"   "5534925"   "5537493"   "5541594"   "5546477"   "5563960"   "5566089"   "5602589"   "5631977"   "5638498"   "5654702"   "5657085"   "5701367"   "5717789"   "5751703"   "5800603"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/08 12:56
11/27/06 4:00:07 PM	C:\Documents and Settings\W1Tucker\My Documents\EAST\Workspaces\09920003.wsp					Page 3

## EAST Search History

S27	1	"6643406".pn.	USPAT	OR	OFF	2005/04/08 16:58
S28	0	(neelamani and choi and baraniuk).in.	USPAT	OR	OFF	2005/04/08 16:59
S29	0	(neelamani).in.	USPAT	OR	OFF	2005/04/08 16:59
S30	4254	choi.in.	USPAT	OR	OFF	2005/04/08 16:59
S31	0	(baraniuk and choi).in.	USPAT	OR	OFF	2005/04/08 18:16
S32	789	(hy\$6 and choi).in.	USPAT	OR	OFF	2005/04/08 18:21
S33	0	(hy\$6 and choi).in. and "382"?. ccls.	USPAT	OR	OFF	2005/04/08 18:22
S34	10	(hy\$6 and choi).in. and "382"/\$. ccls.	USPAT	OR	OFF	2005/04/08 18:22
S35	1	(hy\$6 and choi).in. and "382"/\$. ccls. and wavelet	USPAT	OR	OFF	2005/04/08 18:22
S36	1	"4983036".pn.	USPAT	OR	OFF	2005/04/11 19:11
S37	13	("4983036").URPN.	USPAT	OR	OFF	2005/04/11 19:19
S38	1	"4690554".pn.	USPAT	OR	OFF	2005/04/11 19:20
S39	1	"5633947".pn.	USPAT	OR	OFF	2005/04/11 19:51
S40	1	"6094499".pn.	USPAT	OR	OFF	2005/04/11 19:51
S41	3827	wavelet	USPAT	OR	OFF	2005/04/13 14:00
S42	5458	wavelet or subband	USPAT	OR	OFF	2005/04/13 14:00
S43	956	wavelet same (inverse reverse reconstuct\$5 decod\$4)	USPAT	OR	OFF	2005/04/13 14:01
S44	125	wavelet same (inverse reverse reconstuct\$5 decod\$4) same (noise denois\$4)	USPAT	OR	OFF	2005/04/13 14:02
S45	18	wavelet same (inverse reverse reconstuct\$5 decod\$4) same (noise denois\$4) same threshold	USPAT	OR	OFF	2005/04/13 14:04
S46	548	wavelet same (inverse reverse reconstuct\$5 decod\$4) and (noise denois\$4)	USPAT	OR	OFF	2005/04/13 14:04
S47	502	wavelet same (inverse reverse reconstuct\$5 decod\$4) and (noise denois\$4) and (quantiz\$6 block\$6 deblock\$6)	USPAT	OR	OFF	2005/04/13 14:05
S48	246	wavelet same (inverse reverse reconstuct\$5 decod\$4) and (noise denois\$4) same (quantiz\$6 block\$6 deblock\$6)	USPAT	OR	OFF	2005/04/13 14:06

## EAST Search History

S49	117	wavelet same (inverse reverse reconstuct\$5 decod\$4) and (noise denois\$4) same (quantiz\$6 block\$6 deblock\$6)and 382/???. ccls.	USPAT	OR	OFF	2005/04/13 14:06
S50	83	wavelet same (inverse reverse reconstuct\$5 decod\$4) and (noise denois\$4) same (quantiz\$6 block\$6 deblock\$6)and 382/???. ccls. and threshold\$6	USPAT	OR	OFF	2005/04/13 14:07
S51	25	("6141446").URPN.	USPAT	OR	OFF	2005/04/13 14:31
S52	19	S51 and wavelet	USPAT	OR	OFF	2005/04/13 14:31
S53	4	("5764805"   "5991454"   "6141446"   "6389074").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 16:29
S54	783	(quantiz\$7 quantis\$7 block\$4 deblock\$4) same (invers\$6 revers\$6) same wavelet	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 16:31
S55	633	(quantiz\$7 quantis\$7 block\$4 deblock\$4) same (invers\$6 revers\$6) with wavelet	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 16:31
S56	405	(quantiz\$7 quantis\$7 block\$4 deblock\$4) same (invers\$6 revers\$6) with wavelet and "382"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 16:33
S57	10	(quantiz\$7 quantis\$7 block\$4 deblock\$4) with noise same (invers\$6 revers\$6) with wavelet and "382"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 16:33
S58	2224	wavelt or subband	USPAT	OR	OFF	2005/04/14 14:31
S59	3222	wavelt or subband	US-PGPUB; USPAT	OR	OFF	2005/04/14 14:31
S60	108	inverse Adj2 transform with threshold\$4	US-PGPUB; USPAT	OR	OFF	2005/04/14 14:32
S61	98	denoise\$4	US-PGPUB; USPAT	OR	OFF	2005/04/14 14:32
S62	17	S59 and S60	US-PGPUB; USPAT	OR	OFF	2005/04/14 14:36
S63	1	"6741739".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/14 15:00
S64	862	382/240,268.ccls.	US-PGPUB; USPAT	OR	OFF	2005/04/14 15:00
S65	465	382/240,268.ccls. and wavelet	US-PGPUB; USPAT	OR	OFF	2005/04/14 15:01
S66	242	382/240,268.ccls. and wavelet with (invers\$5 revers\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/14 15:01

## EAST Search History

S67	240	382/240,268.ccls. and wavelet with (invers\$5 revers\$5) and (quanti\$9 \$3block\$7)	US-PGPUB; USPAT	OR	OFF	2005/04/14 15:03
S68	172	382/240,268.ccls. and wavelet with (invers\$5 revers\$5) same (quanti\$9 \$3block\$7)	US-PGPUB; USPAT	OR	OFF	2005/04/14 15:03
S69	15	382/240,268.ccls. and wavelet with (invers\$5 revers\$5) same (quanti\$9 \$3block\$7)with (nois\$7 distort\$ error\$)	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:37
S70	29	"coincidence ratio"	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:37
S71	4	"coincidence ratio" and collation	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:40
S72	538	fingerprint same match\$5 same collat\$ correlat\$ same pixel same ratio	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:41
S73	0	fingerprint same match\$5 same (collat\$ correlat\$ coincidenc\$) same pixel same ratio	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:41
S74	349	fingerprint same match\$5 same (collat\$ correlat\$ coincidenc\$)	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:42
S75	10	fingerprint same match\$5 same (collat\$ correlat\$ coincidenc\$) same ratio	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:48
S76	5	fingerprint and coincidence with ratio	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:50
S77	626	coincidence with ratio	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:50
S78	3	coincidence with ratio same finger\$\$print	US-PGPUB; USPAT	OR	OFF	2005/04/14 16:50
S79	0	2002/0003905	US-PGPUB; USPAT	OR	OFF	2005/04/14 19:23
S80	0	us2002/0003905	US-PGPUB; USPAT	OR	OFF	2005/04/14 19:23
S81	62	(sato and matsuura).in.	US-PGPUB; USPAT	OR	OFF	2005/04/14 19:24
S82	0	(sato and matsuura).in. and wavelt	US-PGPUB; USPAT	OR	OFF	2005/04/14 19:24
S83	2	(sato and matsuura).in. and wavelet	US-PGPUB; USPAT	OR	OFF	2005/04/14 19:24
S84	9778	wavelet	US-PGPUB; USPAT	OR	ON	2006/01/17 12:08
S85	553	wavelet and quantiz\$8 with nois\$3	US-PGPUB; USPAT	OR	ON	2006/01/17 12:09

## EAST Search History

S86	174	wavelet same invers\$ and quantiz\$8 with nois\$3	US-PGPUB; USPAT	OR	ON	2006/01/17 12:10
S87	90	wavelet same invers\$ and quantiz\$8 with nois\$3 and re\$construct	US-PGPUB; USPAT	OR	ON	2006/01/17 12:10
S88	140	wavelet same invers\$ and quantiz\$8 with nois\$3 and re\$construct\$	US-PGPUB; USPAT	OR	ON	2006/01/17 14:02
S89	120	wavelet same invers\$ and quantiz\$8 with nois\$3 and re\$construct\$ and decod\$	US-PGPUB; USPAT	OR	ON	2006/01/17 12:10
S90	77	invers\$ adj wavelet and quantiz\$8 with nois\$3 and re\$construct\$	US-PGPUB; USPAT	OR	ON	2006/01/17 15:56
S91	4	invers\$ adj wavelet and quantiz\$8 with nois\$3 and re\$construct\$ and Sato.in.	US-PGPUB; USPAT	OR	ON	2006/01/17 14:51
S92	2273	quantiz\$8 with nois\$3 and re\$construct\$	US-PGPUB; USPAT	OR	ON	2006/01/17 15:56
S93	2876	quantiz\$8 with nois\$5 with (reduc\$ identify\$ enhanc\$ remov\$ eliminat\$)	US-PGPUB; USPAT	OR	ON	2006/01/17 15:58
S94	192	quantiz\$8 with nois\$5 with (reduc\$ identify\$ enhanc\$ remov\$ eliminat\$) and wavelet\$	US-PGPUB; USPAT	OR	ON	2006/01/17 15:59
S95	43	quantiz\$8 with nois\$5 with (reduc\$ identify\$ enhanc\$ remov\$ eliminat\$) and wavelet\$ with invers\$	US-PGPUB; USPAT	OR	ON	2006/01/17 16:28
S96	24	quantiz\$8 with nois\$5 with (reduc\$ identify\$ enhanc\$ remov\$ eliminat\$) and wavelet\$ with invers\$	USPAT	OR	ON	2006/01/17 16:28
S97	9	JPEG with decod\$ same quanti\$ with (noise error)	USPAT	OR	OFF	2006/01/22 14:14
S98	22991	m with level	USPAT	OR	OFF	2006/02/01 11:21
S99	22991	"m" with level	USPAT	OR	OFF	2006/02/01 11:21
S100	2	"m" with level with forward with transform	USPAT	OR	OFF	2006/02/01 18:30
S101	1	"6985632".pn.	USPAT	OR	OFF	2006/02/01 18:30
S102	1	"5568142".pn.	USPAT	OR	OFF	2006/11/27 15:52